

Veterinary Incident Report

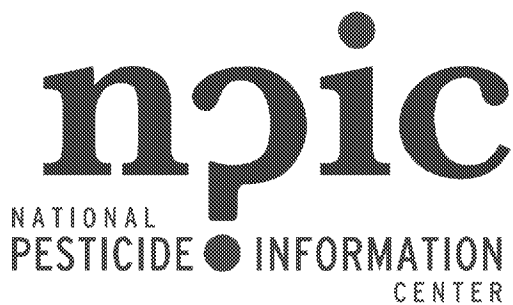
Prepared For: Steven Snyderman

Prepared By: NPIC

Seresto incident reports

Data range: 1/1/2012-present

Prepared: Thu May 31 12:09:37 PDT 2018



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Veterinary Incident Report

Seresto incident reports
1/1/2012-present

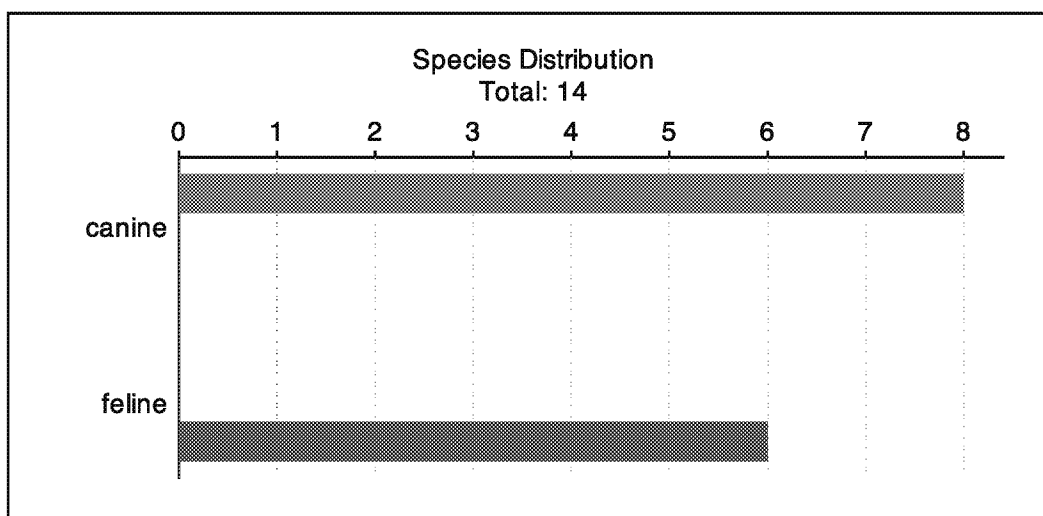
Executive Summary:

The following pages summarize 14 pesticide incidents reported to NPIC via the "Veterinary Incident Reporting Portal (VIRP)" web reporting system (<http://npic.orst.edu/vet/>). This report includes: 1/1/2012-present

The 14 reported incidents involved 14 animals of 2 species (8 canine, 6 feline). The animals exhibited 24 symptoms from various exposures to 14 products.

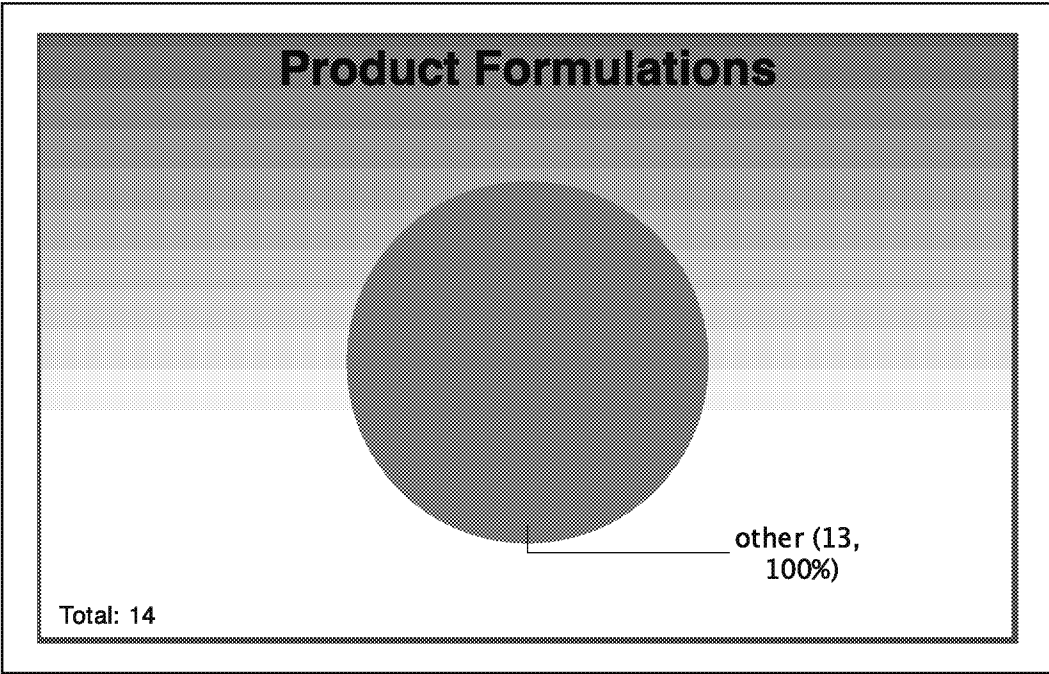
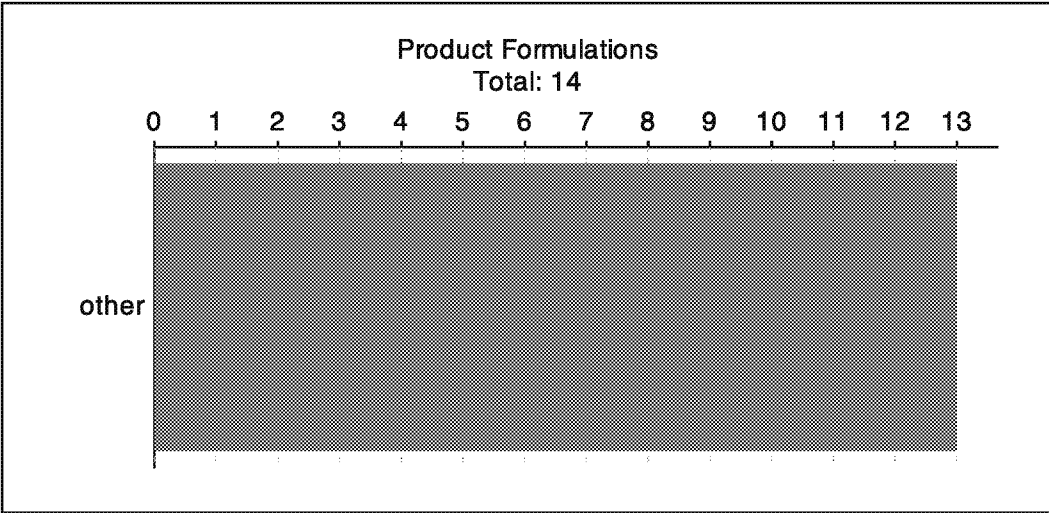
Below is a summary of tables and figures that highlight the requested information.

Species Distribution	
Species:	Number of Animals:
canine	8
feline	6
Total:	14

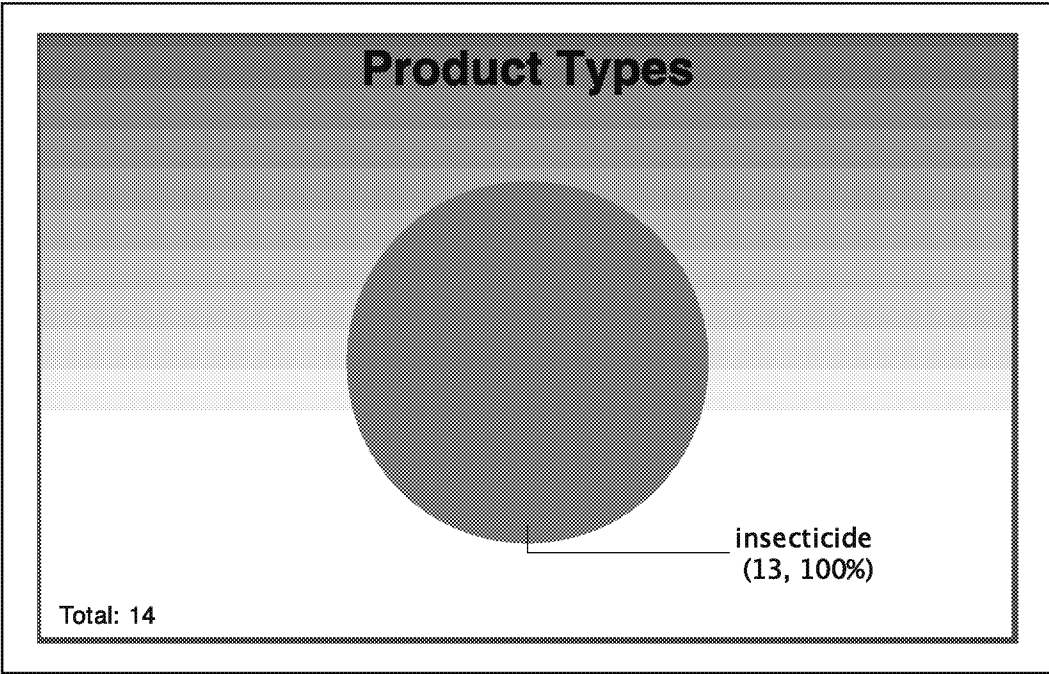
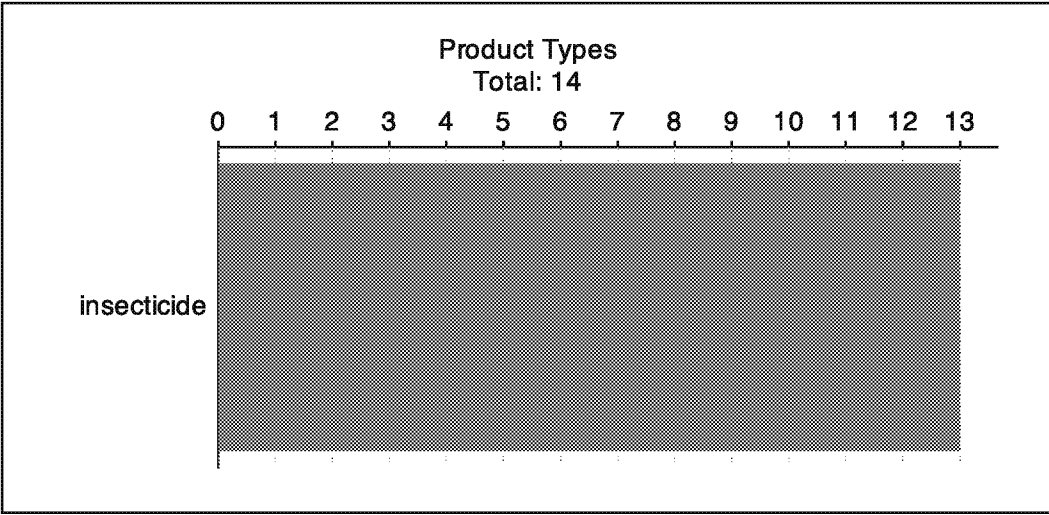


Active Ingredients	
Ingredient:	Quantity:
imidacloprid	10
flumethrin	8
other ingredients	2
flumethrin* transz-1/transz-2	2
imidocloprid	1
fumethrin	1
flumethrin, imidacloprid	1
Total:	25

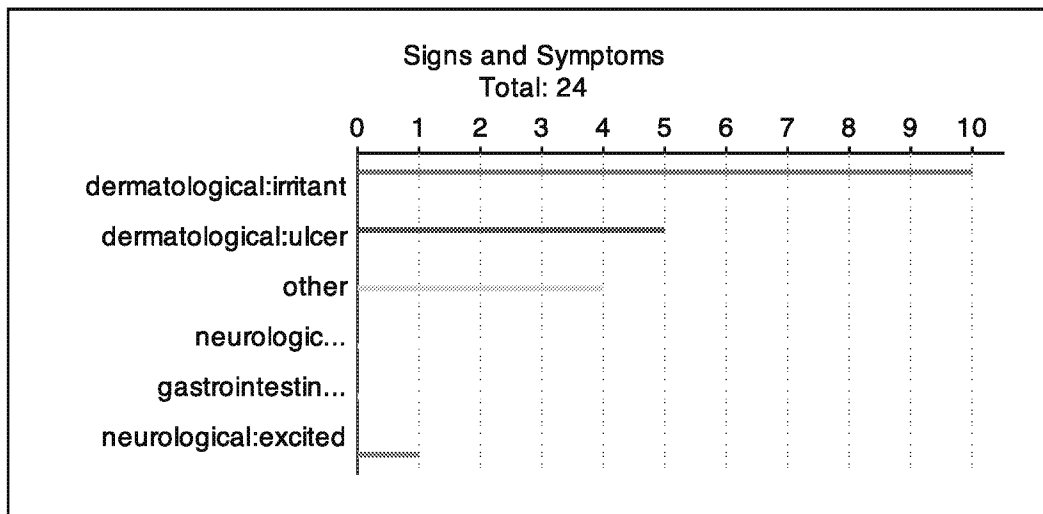
Product Formulations	
Formulation:	Number of products:
other	13
Total:	14



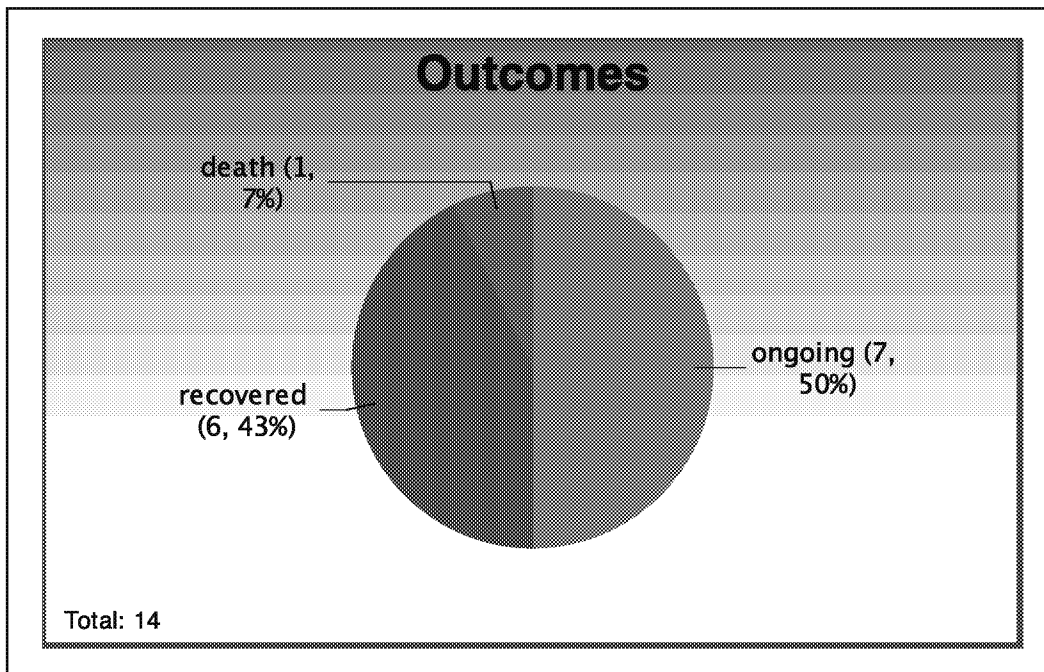
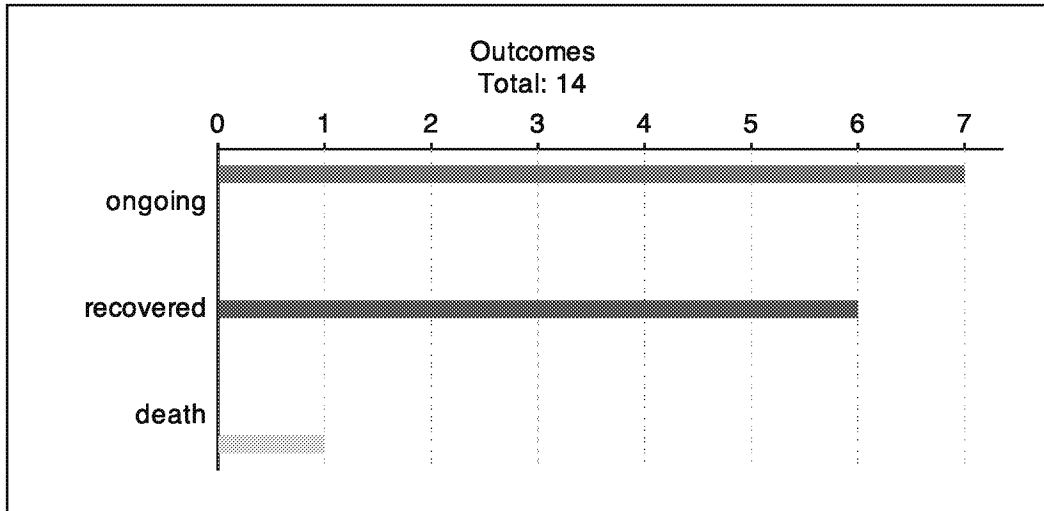
Product Types	
Type:	Number of products:
insecticide	13
Total:	14



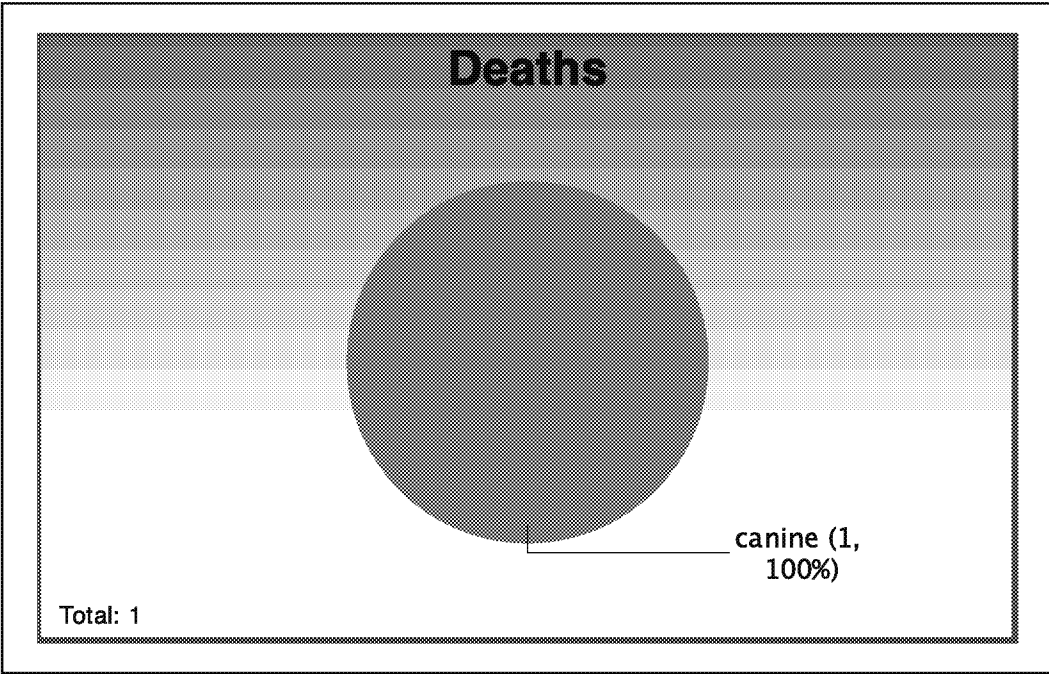
Signs and Symptoms	
Sign/Symptom:	Quantity:
dermatological:irritant	10
dermatological:ulcer	5
other	4
neurological:depression	2
gastrointestinal:vomiting	2
neurological:excited	1
Total:	24



Outcomes	
Outcome:	Number of animals:
ongoing	7
recovered	6
death	1
Total:	14



Deaths	
Species:	Number of animals:
canine	1
Total:	1



Incident Details

Seresto incident reports
1/1/2012-present

Incident: NPIC5290530

Submitted: May 29, 2013, 05:40 AM

Reported By: Dr. Reich

Title: Veterinarian

Clinic: Inwood Animal Center
Inwood, WV

Notes: This was also reported to Bayer (the manufacturer) on 5/24/2013. The owner did mention that the collar was foamy when she woke up Thursday morning. The patient did not have any scratching systems. Patient did have another plain pet collar on but they were no over lapping

Product Information:

Name: Seresto Collar

Type: insecticide

Formulation: other

Ingredient: flumethrin

AI %: 4.5

Ingredient: imidacloprid

AI %: 10.0

Ingredient: other ingredients

AI %: 85.5

Animal Information:

Species: canine

Breed: Boxer

Sex: neuter:female

Age: 7.0 years (2555.0 days)

Weight: 84.0 lbs (38.1 kg)

Exam. Date: May 24, 2013

Outcome: ongoing

Details: patient was clipped & cleaned then put on antibiotics and a topical spray

Exposure Information:

Route: dermal

Date: May 21, 2013

Details: Collar applied on tuesday, limping began on wed into thurs. Would not get up thurs morning - lethargic. Blisters & bloody lesions around neck.

Signs/Symptoms:

neurological:depression

dermatological:irritant

dermatological:ulcer

Onset: 1440.0 minutes (24.0 hours)

Incident Details

Seresto incident reports
1/1/2012-present

Incident: NPIC5290540

Submitted: May 29, 2013, 05:46 AM

Reported By: Dr. Bowen

Title: Veterinarian

Clinic: Inwood Animal Center
Inwood, WV

Notes: The collar was put on the first cat and it developed blisters & bloody lesions around neck. My wife thought maybe it was put on too tight so she took it off and placed the collar on our other cat. This cat also had the same reaction.

Product Information:

Name: Seresto Collar

Type: insecticide

Formulation: other

Ingredient: flumethrin

AI %: 4.5

Ingredient: imidacloprid

AI %: 10.0

Ingredient: other ingredients

AI %: 85.5

Animal Information:

Species: feline

Breed: dsh

Sex: neuter:female

Age: 4.0 years (1460.0 days)

Weight: 8.0 lbs (3.6 kg)

Outcome: ongoing

Details:

Exposure Information:

Route: dermal

Signs/Symptoms:

dermatological:irritant

dermatological:ulcer

Onset: 2880.0 minutes (48.0 hours)

Incident Details

Seresto incident reports
1/1/2012-present

Incident: NPIC7230441

Submitted: July 23, 2013, 04:58 AM

Reported By: Charles Hickey

Title: Veterinarian

Clinic: Short Pump Animal Hospital
Glen Allen, VA

Notes: still awaiting follow up with owner on progress of neck lesions

Product Information:

Name: seresto large dog collar

Reg. Num. 11556-155

Type: insecticide

Formulation: other

Ingredient: flumethrin* transz-1/transz-2

AI %: 4.5

Ingredient: imidacloprid

AI %: 10.0

Animal Information:

Species: canine

Breed: Golden Retriever

Sex: neuter:male

Age: 13.0 years (4745.0 days)

Weight: 80.0 lbs (36.3 kg)

Exam. Date: July 18, 2013

Outcome: ongoing

Details: Removed collar to solve problem

Exposure Information:

Route: dermal

Date: June 17, 2013

Signs/Symptoms:

dermatological:irritant

Onset: 43200.0 minutes (720.0 hours)

Details: erythema/rash on neck under collar

Incident Details

Seresto incident reports
1/1/2012-present

Incident: NPIC7230459

Submitted: July 23, 2013, 05:05 AM

Reported By: Charles Hickey

Title: Veterinarian

Clinic: Short Pump Animal Hospital
Glen Allen, VA

Product Information:

Name: Seresto Large dog flea/tick collar

Reg. Num. 11556-155

Type: insecticide

Formulation: other

Ingredient: flumethrin* transz-1/transz-2

AI %: 4.5

Ingredient: imidacloprid

AI %: 10.0

Animal Information:

Species: canine

Breed: Beagle

Sex: neuter:male

Age: 9.0 years (3285.0 days)

Weight: 46.0 lbs (20.9 kg)

Exam. Date: July 18, 2013

Outcome: ongoing

Details: awaiting follow-up from owner

Exposure Information:

Route: dermal

Date: June 17, 2013

Signs/Symptoms:

dermatological:irritant

Onset: 43200.0 minutes (720.0 hours)

Incident Details

Seresto incident reports
1/1/2012-present

Incident: NPIC5101202

Submitted: May 10, 2014, 12:09 PM

Reported By: Amy Laws

Title: Veterinarian

Clinic: Harrisburg Veterinary Clinic
Harrisburg, AR

Notes: lethargy resolved after removing the collar.

Product Information:

Name: Seresto collar

Type: insecticide

Formulation: other

Ingredient: flumethrin

AI %: 4.5

Ingredient: imidacloprid

Animal Information:

Species: canine

Breed: shih tzu

Sex: neuter:male

Age: 0.9 years (330.0 days)

Weight: 10.6 lbs (4.8 kg)

Exam. Date: April 25, 2014

Outcome: recovered

Details:

Exposure Information:

Route: dermal

Date: April 21, 2014

Signs/Symptoms:

neurological:depression

Incident Details

Seresto incident reports
1/1/2012-present

Incident: NPIC10210529

Submitted: October 21, 2014, 06:20 AM

Reported By: Ross Tramell

Title: Veterinarian

Clinic: Schwenksville Veterinary Hospital
Schwenksville, PA

Product Information:

Name: Seresto Collar

Reg. Num. 11556-155

Type: insecticide

Formulation: other

Ingredient: flumethrin

AI %: 4.5

Ingredient: imidocloprid

AI %: 10.0

Animal Information:

Species: canine

Breed: English Bulldog

Sex: male

Age: 0.3 years (120.0 days)

Weight: 21.1 lbs (9.6 kg)

Exam. Date: October 21, 2014

Outcome: ongoing

Details: Patient is currently being treated for dermatitis with topical steroids and topical and parenteral antimicrobials.

Exposure Information:

Route: dermal

Date: October 07, 2014

Signs/Symptoms:

dermatological:irritant

dermatological:ulcer

Onset: 15840.0 minutes (264.0 hours)

Incident Details

Seresto incident reports
1/1/2012-present

Incident: NPIC2271428

Submitted: February 27, 2015, 14:32 PM

Reported By: Unknown

Title: Veterinarian

Clinic: Plattsburgh Animal Hospital
Plattsburgh, NY

Notes: Entered by NPIC specialist. See log 1003.

Caller reported a customer spoke with NPIC previously about her cat (male neuter, 11 years, 11 pounds). Caller reported the customer purchased a flea collar (4.5% Flumethrin, 10% Imidacloprid) about one month ago (01/28/2015) and put it on his cat (unknown timeframe). Caller reported the cat began not eating and was lethargic some time after using the flea collar and the symptoms have persisted. Caller reported she determined that the cat had elevated amylase levels, but the cat did not exhibit any other symptoms consistent with pancreatitis. Caller reported the customer was convinced that the cat had developed pancreatitis and spoke with NPIC about possible symptoms following exposure to the active ingredients. Caller seeking information about whether NPIC told him the collar could cause pancreatitis and seeking any reference materials that supported such an assessment. Discussed NPIC services, including no veterinary training or ability to diagnose animals or people. Discussed one resource (Hazardous Substances Data Bank (HSDB)) indicates that with excessive exposure to Flumethrin, pancreatic effects may be possible, among a number of other health conditions.

Product Information:

Name: Flea Collar

Type: insecticide

Formulation: other

Ingredient: fumethrin

AI %: 4.5

Ingredient: imidacloprid

AI %: 10.0

Animal Information:

Species: feline

Sex: neuter: male

Age: 11.0 years (4015.0 days)

Weight: 11.0 lbs (5.0 kg)

Exam. Date: February 23, 2015

Outcome: ongoing

Details:

Exposure Information:

Route: dermal

Signs/Symptoms:

other

Details: Not eating, lethargy

Incident Details

Seresto incident reports
1/1/2012-present

Incident: NPIC6171143

Submitted: June 17, 2015, 11:50 AM

Reported By: Erin Herrin DVM

Title: Veterinarian

Clinic: Companion Animal Hospital
Phenix City, AL

Product Information:

Name: Seresto

Type: insecticide

Formulation: other

Ingredient: flumethrin, imidacloprid

AI %: 14.5

Animal Information:

Species: canine

Sex: male

Age: 1.2 years (420.0 days)

Weight: 72.8 lbs (33.0 kg)

Outcome: recovered

Details: Collar removed and skin healed on its own with neosporin.

Exposure Information:

Route: dermal

Date: June 12, 2015

Signs/Symptoms:

dermatological:irritant

Onset: 30240.0 minutes (504.0 hours)

Incident Details

Seresto incident reports
1/1/2012-present

Incident: NPIC8120925

Submitted: August 12, 2015, 11:14 AM

Reported By: Dr. Lyle D. Schweikhardt
Title: Veterinarian
Clinic: Buck Creek Veterinary Clinic, P.C.
Knightstown, IN

Product Information:

Name: Seresto
Reg. Num. 11556-155
Type: insecticide
Formulation: other
Ingredient: flumethrin
AI %: 4.5
Ingredient: imidacloprid
AI %: 10.0

Animal Information:

Species: feline
Breed: Domestic Short Hair
Age: 10.0 years (3650.0 days)
Weight: 9.7 lbs (4.4 kg)
Exam. Date: August 03, 2015
Outcome: ongoing
Details: Removed Seresto collar. Responded dramatically to injectable steroids, antibiotics, and topical otic solution.

Exposure Information:

Route: dermal
Date: May 01, 2015

Signs/Symptoms:

dermatological:irritant
dermatological:ulcer
other
Onset: 4320.0 minutes (72.0 hours)
Details: Diagnosed hyperthyroidism on 07/03/2015. Controlled with Methimazole.

Incident Details

Seresto incident reports
1/1/2012-present

Incident: NPIC9110657

Submitted: September 11, 2015, 07:10 AM

Reported By: Sarra Lord
Title: Technician
Clinic: Veterinary Medicine Specialists of Dallas/Fort Worth
Grapevine, TX

Product Information:

Name: Seresto cat
Reg. Num. 11556-155
Type: insecticide
Formulation: other
Ingredient: flumethrin
AI %: 4.5
Ingredient: imidacloprid
AI %: 10.0

Animal Information:

Species: feline
Breed: Domestic Shorthair
Sex: neuter: male
Age: 4.5 years (1642.5 days)
Weight: 12.9 lbs (5.8 kg)
Exam. Date: September 10, 2015
Outcome: recovered
Details: Physical exam and bloodwork on 9/10 were within normal limits. Patient lost 0.27 kg since last visit on 6/27

Exposure Information:

Route: dermal
Date: August 18, 2015
Details: Seresto is a time release flea collar that protects for 8 months. It was placed on the pet on 8/18/15.

Signs/Symptoms:

dermatological: irritant
gastrointestinal: vomiting
other
Onset: 4320.0 minutes (72.0 hours)
Details: Within a few days of collar placement pet was scratching head and neck. Manufacturer said this was normal and transient. On 9/1 patient vomited once, over the next week the vomiting increased in frequency and the patient's appetite decreased 25-30%. Collar was removed on 9/5 and within 24 hours appetite returned to normal and vomiting ceased.

Incident Details

Seresto incident reports
1/1/2012-present

Incident: NPIC12110936

Submitted: December 11, 2015, 09:44 AM

Reported By: Rebecca McCarty

Title: Technician

Clinic: SPCA of Texas - Martin Clinic
Dallas, TX

Product Information:

Name: Seresto Collar - Feline

Type: insecticide

Formulation: other

Ingredient: flumethrin

AI %: 4.5

Ingredient: imidacloprid

AI %: 10.0

Animal Information:

Species: feline

Breed: DSH

Sex: neuter:female

Age: 2.0 years (730.0 days)

Weight: 6.0 lbs (2.7 kg)

Outcome: recovered

Details: skin completely recovered when Seresto collar was removed

Exposure Information:

Route: dermal

Signs/Symptoms:

dermatological:irritant

Onset: 10080.0 minutes (168.0 hours)

Details: skin became red and ulcerated

Incident Details

Seresto incident reports
1/1/2012-present

Incident: NPIC12110944

Submitted: December 11, 2015, 09:47 AM

Reported By: Rebecca McCarty

Title: Technician

Clinic: SPCA of Texas - Martin Clinic
Dallas, TX

Product Information:

Name: Seresto Collar - Feline

Type: insecticide

Formulation: other

Ingredient: flumethrin

AI %: 4.5

Ingredient: imidacloprid

AI %: 10.0

Animal Information:

Species: feline

Breed: DSH

Sex: neuter:male

Age: 2.0 years (730.0 days)

Weight: 15.0 lbs (6.8 kg)

Outcome: recovered

Details: Skin became irritated and ulcerated within a few days of applying collar. Collar was removed, skin healed quickly. Collar was replaced and cat had no further irritation.

Exposure Information:

Route: dermal

Signs/Symptoms:

dermatological:irritant

dermatological:ulcer

Onset: 10080.0 minutes (168.0 hours)

Incident Details

Seresto incident reports
1/1/2012-present

Incident: NPIC2091606

Submitted: February 09, 2018, 16:06 PM

Reported By: Janet Peralta

Title: Veterinarian

Clinic: Cummings Veterinary Medical Center
North Grafton, MA

Product Information:

Name: Seresto collar

Reg. Num. 11556-155

Animal Information:

Species: canine

Outcome: recovered

Details: Owner tried applying the collar twice with same results. Signs resolve after removing the collar.

Exposure Information:

Route: dermal

Signs/Symptoms:

neurological:excited

Details: Restless, will just walk on circles, anxious. It resolved after collar was removed

Incident Details

Seresto incident reports
1/1/2012-present

Incident: NPIC4251120

Submitted: May 24, 2018, 09:32 AM

Reported By: Dr. Susan Mohler

Title: Veterinarian

Clinic: Greenbrier Veterinary Hospital
Lewisburg, WV

Notes: Data entered by NPIC - Log 2448 - (AL)

Voice mail message. Returned call at 09:01 on 04/25/2018. Caller (veterinarian) wishing to report a possible adverse reaction to a Seresto collar (EPA). Caller reported that a client bought two Seresto collars from their office on 4/6/2018, and applied them to his dogs after returning home. Caller reported that within 24 hours, one of the dogs (9 year old, 63 lb neutered male Australian Shepherd mix) was brought to the emergency clinic. Caller reported that the dog cried out during the night, vomited several times, had uncontrolled urination, was ataxic, and couldn't walk. Caller reported they tested the dog for antifreeze (which was negative), did an examination, found that he had very high white blood cell count, and gave him sub-cutaneous fluids and a couple injections of medication. Caller reported that the dog recovered within 24 hours and was sent home.

Caller reported that the owner did not think that the collar was related to the dog's condition, and reapplied the collar on 4/22/2018. Within 48 hours the dog had a similar episode, with symptoms including crying out, vomiting, and possible seizures. Caller reported when he was brought to the clinic early afternoon on 4/24/2018 he was found to have "blunted mentation, knuckling, and wobbly on his rear legs". Caller reported he was tested and found to have an even higher white blood cell count, was given subcutaneous fluids and injections again, a catheter, and they tried to refer him to an emergency clinic. Caller reported that the dog passed away within two hours of presentation at the clinic. Caller reported there were no dermal symptoms observed, the other dog had no reaction to its collar, and they have already reported both reactions to the manufacturer (Bayer).

Product Information:

Name: unspecified

Reg. Num. 11556-155

Type: insecticide

Formulation: other

Animal Information:

Species: canine

Age: 9.0 years (3285.0 days)

Weight: 63.0 lbs (28.6 kg)

Outcome: death

Details: Death occurred after the collar was reapplied on 4/22 - and a second series of symptoms occurred - see details in additional notes.

Exposure Information:

Route: dermal

Signs/Symptoms:

gastrointestinal:vomiting

other

